



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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May 14, 2010

THE HONORABLE JACK F. CHIOVATERO
MAYOR'S OFFICE
3805 SOUTH CASPER DRIVE
NEW BERLIN, WI 53151-0921

Subject: City of New Berlin Compliance with Annual Reporting Requirements for the
Water Supply Service Area Plan and Diversion Approval

Dear Mayor Chiovatero:

Thank you for your letter dated 29 April 2010 and attached report submitted pursuant to Section VI of the *Water Supply Service Area Plan and Diversion Approval* for the City of New Berlin.

Section VI of the *Water Supply Service Area Plan and Diversion Approval* requires that, by March 1st of each year, the City report the following information for the prior calendar year to the DNR:

1. The total amount of water purchased from the City of Milwaukee.
2. The amount of water sold to each category and the subcategory of customer on a quarterly basis within the City limits.
3. The amount of water sold to each category and the subcategory of customer on a quarterly basis within the approved diversion area.
4. The amount of water diverted to the approved diversion area on a monthly basis (to be estimated by the City).
5. The amount of water pumped from each municipal well from within the City limits on a quarterly basis, noting the basin in which each well is located.
6. Average residential per capita use.
7. A description of efforts made by the City to improve water conservation and efficiency and minimize the infiltration and inflow to the sanitary sewer system.
8. Estimates of the total monthly sewerage flow within the City.
9. Estimates of the monthly sewerage return flow from within the approved water supply service area and approved diversion area.

The City's previous submittals to the DNR, dated 1 March 2010 and 6 April 2010 lacked sufficient documentation to comply with Section VI of the *Water Supply Service Area Plan and Diversion Approval*. However, the documentation entitled "Annual Report of Water Use, Water Diversion and Return Flow for the City of New Berlin" submitted with your 29 April 2010 transmittal letter substantively complies with the reporting requirements of Section VI of the *Water Supply Service Area Plan and Diversion Approval*, as identified in items 1 – 9 outlined above.

The City's Report includes, e.g., the following:

- The total amount of water purchased from the City of Milwaukee is listed as 704,943,000 gallons.
- Quarterly amounts of water sold in each category and subcategory of customer on a quarterly basis within the City limits and within the approved diversion area have been reported in Tables 2-1 and 3-1.
- The amount of water diverted to the approved diversion area on a monthly basis (estimated by the City) has been reported in Table 4-1. The first month that Great Lakes water was supplied to the diversion area was July 2009.
- The amount of water pumped from each municipal well within the City limits on a quarterly basis has been provided in Table 5-1. No water was pumped from any of the wells in the fourth quarter of 2009.
- The average per capita residential water use in 2009 was 64.39 gallons per day.
- Water conservation efforts reported by the City include the projected savings of 9.4 million gallons of water per year by not using water softeners in the diversion area; savings of 8.7 million gallons of water per year by reducing hydrant flushing from twice per year to once per year; adoption of lawn sprinkling restrictions; a toilet rebate program implemented in April 2010; and a continued public information and education effort related to water conservation.
- With respect to the City's infiltration and inflow program (I/I), for 2009, the City reported two large I/I sewer rehabilitation projects and flow monitoring efforts with total expenditures of \$1,012,177.
- Estimated monthly sewerage flow from City is 180.75 million gallons over 30 days or a total of 2.199 billion gallons per year. Annual sewerage flows from the Great Lakes Basin and the Mississippi River Basin are 1.05 and 1.149 billion gallons per year, respectively.

Additionally, given the City's reported amount of 263,390,000 gallons of Great Lakes water supplied to the diversion area for the period July 2009 through December 2009, the average daily diversion amount equates to 1.43 million gallons per day (MGD)—below the maximum diversion amount of 2.142 MGD under the terms of Section III of the *Water Supply Service Area Plan and Diversion Approval*.

Thank you again for your transmittal dated 29 April 2010 and for the City's compliance with Section VI of the *Water Supply Service Area Plan and Diversion Approval*.

Sincerely,



Eric K. Ebersberger
Chief, Water Use Section

Cc: Bruce Baker, Water Division Administrator
Jill Jonas, Director, Bureau of Drinking Water & Groundwater
Dino Tsois, Water Supply Specialist